

## note on quantitative prediction

Our analysis is usually independent of scale of notation used to express the result. For a scale with nodes  $R$  in which result is expressed with  $n$  digits.

$$\text{we replace } \epsilon^n \rightarrow \left(\frac{1}{2\pi n}\right)^{n-1} = \frac{1}{n}$$

$$\left( \text{a better perhaps } \frac{1}{n-1} \cdot \frac{1}{n} \cdot \frac{1}{n-1} \right)$$

But best after turned to number

$$x = a_0 + a_1 R + \dots + a_n R^{n-1}$$

expressible in form  $R^n$  is  $R$

So identifying approximated best after leads in this sense we have

$$R_n R^{n-1} \approx \text{best independent of } R.$$

Symposium Methodologies: Bayesian & Popperian.  
vol. 30 no. 1/2 1975.

Very good article by Agazzi on Bayes

Richard Jeffrey expands Bayes.

$P(H)$  may be very small - what can  
we learn interested in  $\frac{P(H/E)}{P(H)}$

not absolute value of  $P(H/E)$

Give cite Popper - Pearson  
expansion to Popper methodology.

Miller replies to Jeffrey from our

meanings subjective  
are, no cannot be known, or if  
prior, not objective.

Miller very interesting paper on the  
science of probabilities - plus some  
science which can be ignored by  
defining new parameters - signs  
of an essential two parameters  
are basic (cf Neyman's paradox)



Diller's reply to Toffrey's remarks  
on comment

"Paper's strong - that our decisions are  
so well retained that they are  
subject to severe criticism (in the  
light of theories which are themselves  
severely tested) - can do that Baginski  
cannot do. It notes that what  
is retained about a retained decision

Toffrey doubts that is more useful.  
- But really it is the Baginski who  
is wrong.

Jeffrey's criteria for degree of confirmation

$$\frac{P(H/E)}{P(H)} \text{ not good} = \frac{P(E(H))}{P(E)}$$

Jeffrey confirms H and N if E confirms H  
but E is irrelevant to N.

I don't see relevance of  
for example Number + Number  
 $\bar{E}$  = not a probability.

If prefer  $P(H/E) - P(H)$

He rejects  $\frac{P(E(H)P(H))}{P(E)} = P(H/E)$

Sydney 1975

Jeffrey considers also likelihood of being  
that he rejects - (or else is potential  
reason about  $P(E/H) = 1.?$ )

A. Nungere?

Scientists work on hard cores they  
do not believe in } of Newton  
Bohr }

(most esp by Howson)

Difference from Tom on odd loc.

Tom's criterion is implausibility.  
quite opposite to my view -  
much - naked Bayesian

$$P(C) = 0.95$$

$$P(H) = 0.5$$



Hacking I. Phil Sci. 34 (1967) p 311-325.

"Slightly more realistic personal probability"

discusses dynamic assumptions

claims distinction between conditional prob.

$P(h/e)$  and probability for a part  $P(h/e)$ .

No Dutch Book argument can justify  
the dynamic assumption.

"Conditional probabilities indicate how confident  
a person is as to judge that to occur  
if he knew it as well"  
But if he judges  $P$  he can now change  
to a new probability given that  $P$   
proceeds  $\&$ .

Hacking says probability dynamics is  
a neglected subject - refers to

Toffey to correct this view

Hacking argument against conditionalization  
repeated by P. Teller (places bets at future)  
See Teller 26, 218 (1973)

Paul Feller's views are supported by  
William Harper in Harvard 30 (1975) 221-262.